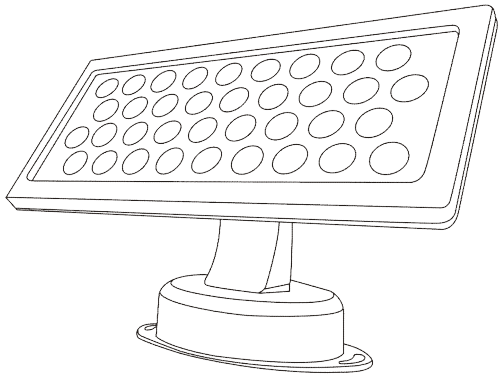
Color IMAGINATION

CE

LED Wall Washer

W-016



User Manual

KEEP THIS MANUAL FOR FUTURE NEEDS

1. Unpacking

Thank you for our Color Imagination's LED Wall Washer. For your own safety, please read this manual before installing the device. This manual covers the important information on installation and applications. Please install and operate the fixture with following instructions. Meanwhile, please keep this manual well for future needs.

The LED Wall Washer is made of a new type of high temperature cast aluminum casing with nice outlook. The fixture is designed and manufactured strictly following CE standards, complying with international standard DMX512 protocol. It's available independently controlled and linkable with each other for operation. And it is applicable for large-scale live performances, theater, studio, nightclubs and discos.

W-016 adopts powerful LED lamps which features high brightness and stability. Please carefully unpack it when you receive the fixture and check whether it is damaged during the transportation. And please check whether the following items are included inside the box:

LED Wall Washer---------- one User Manual----------one

11. Maintenance and Cleaning

The following points have to be considered during the inspection:

1) All screws for installing the devices or parts of the device have to be tightly connected and must not be corroded.

2) There must not be any deformations on the housing, color lenses, fixations and installation spots (ceiling, suspension, trussing).

3）Mechanically moved parts must not show any traces of wearing and must not rotate with unbalances.

4）The electric power supply cables must not show any damage, material fatigue or sediments.

Further instructions depending on the installation spot and usage have to be adhered by a skilled installer and any safety problems have to be removed.

CAUTION!

Disconnect from mains before starting maintenance operation.

In order to make the lights in good condition and extend the life time, we suggest a regular cleaning to the lights.

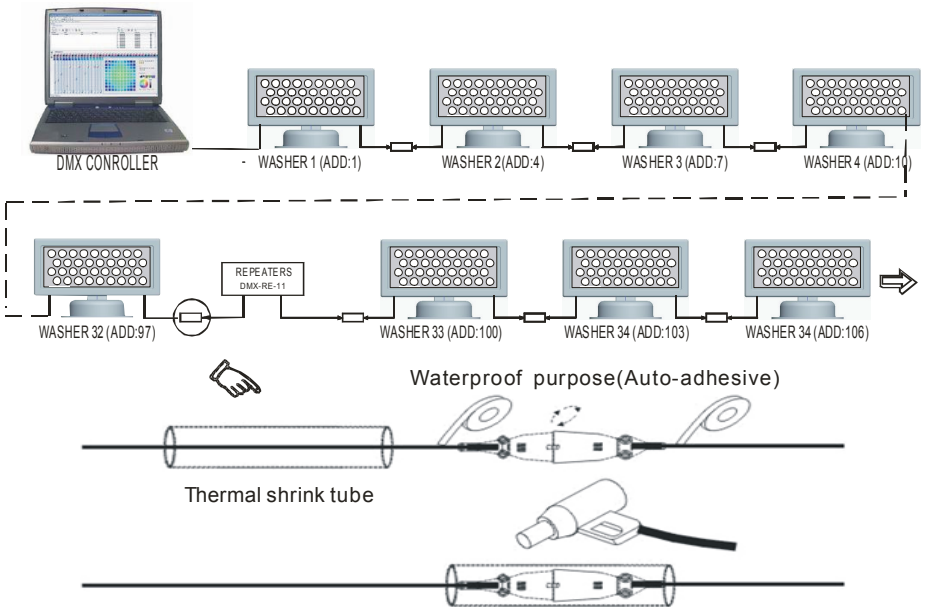
1) Clean the inside and outside lens each week to avoid the weakness of the lights due to accumulation of dust.
2) Clean the fan each week.
3) A detailed electric check by approved electrical engineer each three month, make sure that the circuit contacts are in good condition, prevent the poor contact of circuit from overheating.

We recommend a frequent cleaning of the device. Please use a moist, lint- free cloth. Never use alcohol or solvents.

There are no serviceable parts inside the device. Please refer to the instructions under “Installation instructions”.

Should you need any spare parts, please order genuine parts from your local dealer.

10. Connections



(Picture 8)

2. Safety Instructions

CAUTION!
Be careful with your operations.With a dangerous voltage you can Suffer a dangerous electric shock when touching wires!

This device has left the factory in perfect condition. In order to maintain this condition and to ensure a safe operation, it is absolutely necessary for the user to follow the safety instructions and warning notes written in this user manual.

Important:
Damages caused by the disregard of this user manual are not subject to warranty. The dealer will not accept liability for any resulting defects or problems.

If the device has been exposed to temperature changes due to environmental changes, do not switch it on immediately. The arising condensation could damage the device. Leave the device switched off until it has reached room temperature.

This device falls under protection-class I. Therefore it is essential that the device be earthed.

The electric connection must carry out by qualified person.

The device shall only be used with rate voltage and frequency.

Make sure that the available voltage is not higher than stated at the end of this manual.

Make sure the power cord is never crimped or damaged by sharp edges. If this would be the case, replacement of the cable must be done by an authorized dealer.

Always disconnect from the mains, when the device is not in use or before cleaning it.

Only handle the power cord by the plug. Never pull out the plug by tugging the power cord.

During initial start-up some smoke or smell may arise. This is a normal process and does not necessarily mean that the device is defective, it should decrease gradually.

Please don't project the beam onto combustible substances.

Fixtures cannot be installed on combustible substances, keep more than 50cm distance with wall for smooth air flow, so there should be no shelter for fans and ventilation for heat radiation.

If the external flexible cable or cord of this luminaire is damaged, it shall be exclusively replaced by the manufacturer or his service agent or a similar qualified person in order to avoid a hazard.

3. Operation Instructions

-The light is an LED wash light for onsite decoration purpose.

-Don't turn on the fixture if it's been through severe temperature difference like after transportation because it might damage the light due to the environment changes. So make sure to operate the fixture until it is in normal temperature.

-This light should be keep away from strong shaking during any transportation or movement.

-Don't pull up the light by only the head, or it might cause damages to the mechanical parts.

-Don't expose the fixture in overheat, moisture or environment with too much dust when installing it. And don't lay any power cables on the floor. Or it might cause electronic shock to the people.

-Make sure the installation place is in good safety condition before installing the fixture.

-Make sure to put the safety chain and check whether the screws are screwed properly when installing the fixture.

-Make sure the lens are in good condition. It's recommended to replace the units if there are any damages or severe scratch.

-Make sure the fixture is operated by qualified personnel who knows the fixture before using.

-Keep the original packages if any second shipment is needed.

-Don't try to change the fixtures without any instruction by the manufacturer or the appointed repairing agencies.

-It is not in warranty range if there are any malfunctions from not following the user manual to operate or any illegal operation, like shock short circuit, electronic shock, lamp broke, etc.

7.DMX Channels

Chanel	Function	Values	Description
1	Red Dimmer	0-255	R dimmer from 0%-100%
2	Green Dimmer	0-255	G dimmer from 0%-100%
3	Blue Dimmer	0-255	B dimmer from 0%-100%
4	RGB Dimmer	0-255	RGB Dimmer from 0%-100%
5	Strobe	0-255	Strobe from slow to fast

8. Technical Specifications

Input Voltage: AC 90-240V/50-60HZ

LED Quantities: 12 red/ 12 green/ 12 blue (1W)

Control Signal: DMX512

Control Channel: 5CH

Power Consumption: 36W

Gross Weight: 5.6kg

Shipping Dimension: 400×210x240mm

9. Key Features

1W red, green and blue LEDs

Colors optional for customers, single color or RGB

LED RGB technology with 256 degree gray scale function

Synchronous effect through intelligent controller

DMX controller controllable

Digital IP address together with built-in fixed program for synchronization and self-link

Light angle and position adjustable for optimal lighting effect

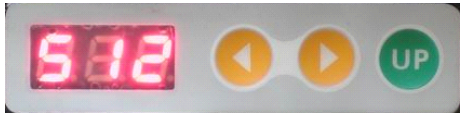
Applicable for both indoor and outdoor like stage, bar, nightclub, courtyard, architectural, theme park, etc. (Protection rating: IP 56)

The second seven-segment digital		The third seven-segment digital
Function NO.	Function	
1	Red	1-9 class gray degree
2	Yellow	1-9 class gray degree
3	Green	1-9 class gray degree
4	Cyan	1-9 class gray degree
5	Blue	1-9 class gray degree
6	Purple	1-9 class gray degree
7	White	1-9 class gray degree
8	7 color change	1-9 class speed, from fast to slow
9	7 color fade	1-9 class speed, from fast to slow
A	7 color flash	1-9 class speed, from fast to slow

C-2. DMX mode address set

Power on, the screen shows “0—9”, the data is the DMX random address. When there is no DMX in, the light would be blackout.

5 DMX channels for each light, (R.G.B, RGB Dimmer, strobe), Fox example, address 001 occupies the channel 1, 2, 3,4and 5. Address 508occupies the channel 508,509, 510,511 and 512.



（Picture 4）

Note: after finished adjusting, leave the key alone for 10 second to exit the programming, the digital display stop flashing and memorize the selected parameters.

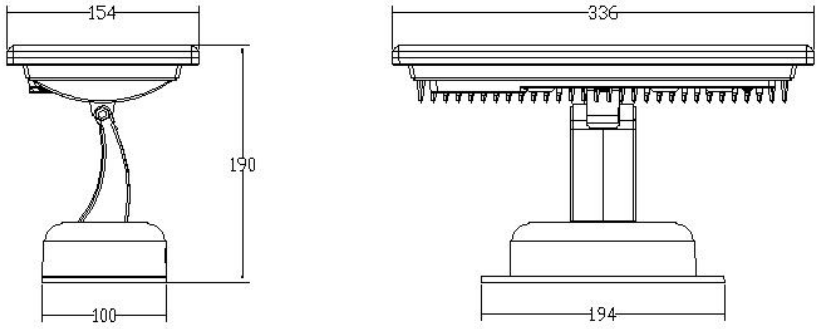
C-3. Master-slave

1. choose anyone light as the master unit

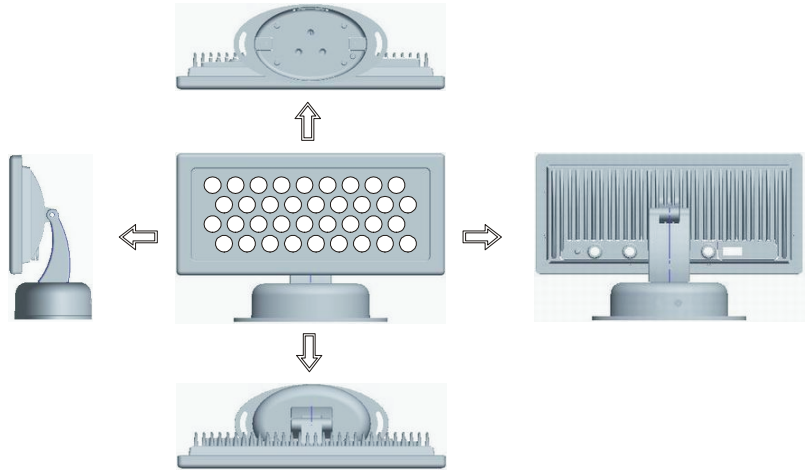
2. The Master is the light which is choose “P**”, others which choose “SLA” are the slaves.

3. Change function of the master light, then all lights will work synchronously.

4. Dimensions and Installation



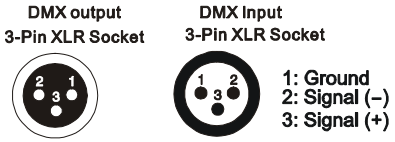
（Picture 6）



（Picture 7）

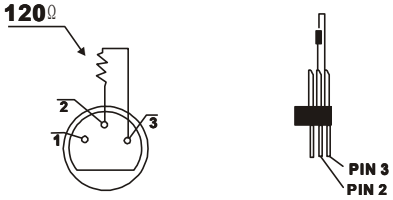
5. DMX-512 control connections

Connect the provided XLR cable to the female 3-pin XLR output of your controller and the other side to the male 3-pin XLR input of the moving head. You can chain multiple Moving head together through serial linking. The cable needed should be two core, screened cable with XLR input and output connectors. Please refer to the diagram below.



DMX-512 connection with DMX terminator

For installations where the DMX cable has to run a long distance or is in an electrically noisy environment, such as in a discotheque, it is recommended to use a DMX terminator. This helps in preventing corruption of the digital control signal by electrical noise. The DMX terminator is simply an XLR plug with a 120 Ω resistor connected between pins 2 and 3,which is then plugged into the output XLR socket of the last fixture in the chain. Please see illustrations below.



6. Operations

Function

Seven color steady: seven colors stick with 9 levels brightness adjustment

Seven color change: seven colors change with 9 levels speed adjustment.

Seven color fade: seven colors with 9 levels speed adjustment.

Seven color flash: seven colors flashing with 9 levels speed adjustment.

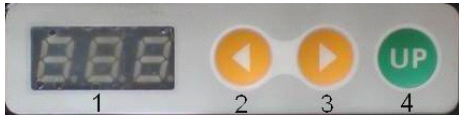
Control mode

Independent mode: choose the effects that you need by button on the back of light.

DMX mode: International standard DMX512 signal control.

Master slave mode: many lights work together, slaves work in accord with the master.

Instruction of buttons

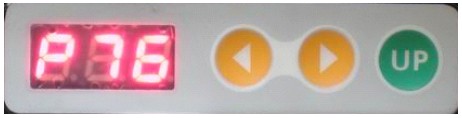


（Picture 2）

1-LED display window 2-Cursor bear left 3- Cursor bear right 4-data adjust

C-1. Independent mode

Independent mode, you can adjust the preset functions of lighting by button on the back of light



（Picture 3）

After take on the power , press the key until the first seven-segment digital show “ P “ , it means it has been independent mode ; the second seven-segment digital shows is current function number inside (you could set different function running by “ UP “ key) , the third seven-segment digital shows current brightness or speed value of the function (adjust the value by “ UP “ key) . For detailed, please find the below explanation: